STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/470,997B
Source: 1600
Date Processed by STIC: 4/26/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION** **SERIAL NUMBER:** 09/470,997B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5	Variable Length	Sequence(s) 9-17 (maybe more) contain amino acid representing more than one residue. Per Sequence Rules, each Q.A can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
11	Use of <220>	Sequence(s) ___ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

IFW16

RAW SEQUENCE LISTING DATE: 04/26/2006
PATENT APPLICATION: US/09/470,997B TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt
Output Set: N:\CRF4\04262006\I470997B.raw

<110> APPLICANT: Proteus Molecular Design Limited
James, Glover F
Rushton, Arthur
Morgan, Phillip J
Young, Stephen C
<120> TITLE OF INVENTION: Angiotensin Derivatives
<130> FILE REFERENCE: GLOV3002/REF
<140> CURRENT APPLICATION NUMBER: US 09/470,997B
<141> CURRENT FILING DATE: 1999-12-23
<150> PRIOR APPLICATION NUMBER: PCT/GB98/01833
<151> PRIOR FILING DATE: 1998-06-23
<160> NUMBER OF SEQ ID NOS: 31
<170> SOFTWARE: PatentIn version 3.2
<210> SEQ ID NO: 1
<211> LENGTH: 10
<212> TYPE: PRT
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: mammalian peptide hormone angiotensin I
<400> SEQUENCE: 1
Asp Arg Val Tyr Ile His Pro Phe His Leu
1 5 10
<210> SEQ ID NO: 2
<211> LENGTH: 8
<212> TYPE: PRT
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: mammalian peptide hormone angiotensin II
<400> SEQUENCE: 2
Asp Arg Val Tyr Ile His Pro Phe
1 5
<210> SEQ ID NO: 3
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Angiotensin I derivative
<400> SEQUENCE: 3
Asp Arg Val Tyr Ile His Pro Phe His Leu Gly Cys
1 5 10
<210> SEQ ID NO: 4
<211> LENGTH: 10
<212> TYPE: PRT

pp 3-5

Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING DATE: 04/26/2006
PATENT APPLICATION: US/09/470,997B TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt
Output Set: N:\CRF4\04262006\I470997B.raw

<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Angiotensin II derivative
<400> SEQUENCE: 4
Asp Arg Val Tyr Ile His Pro Phe Gly Cys
1 5 10
<210> SEQ ID NO: 5
<211> LENGTH: 11
<212> TYPE: PRT
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Angiotensin I derivative
<400> SEQUENCE: 5
Asp Arg Val Tyr Ile His Pro Phe His Leu Cys
1 5 10
<210> SEQ ID NO: 6
<211> LENGTH: 11
<212> TYPE: PRT
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Angiotensin I derivative
<400> SEQUENCE: 6
Asp Arg Val Tyr Ile His Pro Phe His Leu Tyr
1 5 10
<210> SEQ ID NO: 7
<211> LENGTH: 11
<212> TYPE: PRT
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Angiotensin I derivative
<400> SEQUENCE: 7
Tyr Asp Arg Val Tyr Ile His Pro Phe His Leu
1 5 10
<210> SEQ ID NO: 8
<211> LENGTH: 11
<212> TYPE: PRT
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Angiotensin I derivative
<400> SEQUENCE: 8
Cys Asp Arg Val Tyr Ile His Pro Phe His Leu
1 5 10
<210> SEQ ID NO: 9
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: Unknown
<220> FEATURE:
<223> OTHER INFORMATION: Angiotensin I derivative
<220> FEATURE:

RAW SEQUENCE LISTING DATE: 04/26/2006
PATENT APPLICATION: US/09/470,997B TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt
Output Set: N:\CRF4\04262006\I470997B.raw

'Gly' can only represent a single amino acid

Variable length not permitted. see item

```
145 <221> NAME/KEY: MISC_FEATURE
146 <222> LOCATION: (11)..(11)
147 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
149 <400> SEQUENCE: 9
151 Asp Arg Val Tyr Ile His Pro Phe His Leu Gly Cys
152 1               5                   10
155 <210> SEQ ID NO: 10
156 <211> LENGTH: 10
157 <212> TYPE: PRT
158 <213> ORGANISM: Unknown
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Angiotensin II derivative
164 <220> FEATURE:
165 <221> NAME/KEY: MISC_FEATURE                    same error
166 <222> LOCATION: (9)..(9)
167 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
169 <400> SEQUENCE: 10
171 Asp Arg Val Tyr Ile His Pro Phe Gly Cys
172 1               5                   10
175 <210> SEQ ID NO: 11
176 <211> LENGTH: 12
177 <212> TYPE: PRT
178 <213> ORGANISM: Unknown
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Angiotensin I derivative
184 <220> FEATURE:                                 same
185 <221> NAME/KEY: MISC_FEATURE
186 <222> LOCATION: (2)..(2)
187 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
189 <400> SEQUENCE: 11
191 Cys Gly Asp Arg Val Tyr Ile His Pro Phe His Leu
192 1               5                   10
195 <210> SEQ ID NO: 12
196 <211> LENGTH: 10
197 <212> TYPE: PRT
198 <213> ORGANISM: Unknown
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Angiotensin II derivative
204 <220> FEATURE:
205 <221> NAME/KEY: MISC_FEATURE
206 <222> LOCATION: (2)..(2)
207 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
209 <400> SEQUENCE: 12
211 Cys Gly Asp Arg Val Tyr Ile His Pro Phe
212 1               5                   10
215 <210> SEQ ID NO: 13
216 <211> LENGTH: 23
217 <212> TYPE: PRT
218 <213> ORGANISM: Unknown
```

RAW SEQUENCE LISTING DATE: 04/26/2006
PATENT APPLICATION: US/09/470,997B TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt
Output Set: N:\CRF4\04262006\I470997B.raw

220 <220> FEATURE:
221 <223> OTHER INFORMATION: Angiotensin derivative
224 <220> FEATURE:
225 <221> NAME/KEY: MISC_FEATURE
226 <222> LOCATION: (11)..(11)
227 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
229 <220> FEATURE:
230 <221> NAME/KEY: MISC_FEATURE
231 <222> LOCATION: (13)..(13)
232 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
234 <400> SEQUENCE: 13
236 Asp Arg Val Tyr Ile His Pro Phe His Leu Gly Cys Gly Asp Arg Val
237 1 5 10 15
240 Tyr Ile His Pro Phe His Leu
241 20
244 <210> SEQ ID NO: 14
245 <211> LENGTH: 21
246 <212> TYPE: PRT
247 <213> ORGANISM: Unknown
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Angiotensin derivative
253 <220> FEATURE:
254 <221> NAME/KEY: MISC_FEATURE
255 <222> LOCATION: (11)..(11)
256 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
258 <220> FEATURE:
259 <221> NAME/KEY: MISC_FEATURE
260 <222> LOCATION: (13)..(13)
261 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
263 <400> SEQUENCE: 14
265 Asp Arg Val Tyr Ile His Pro Phe His Leu Gly Cys Gly Asp Arg Val
266 1 5 10 15
269 Tyr Ile His Pro Phe
270 20
273 <210> SEQ ID NO: 15
274 <211> LENGTH: 23
275 <212> TYPE: PRT
276 <213> ORGANISM: Unknown
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Angiotensin derivative
282 <220> FEATURE:
283 <221> NAME/KEY: MISC_FEATURE
284 <222> LOCATION: (11)..(11)
285 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
287 <220> FEATURE:
288 <221> NAME/KEY: MISC_FEATURE
289 <222> LOCATION: (13)..(13)
290 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
292 <400> SEQUENCE: 15

RAW SEQUENCE LISTING DATE: 04/26/2006
PATENT APPLICATION: US/09/470,997B TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt
Output Set: N:\CRF4\04262006\I470997B.raw

294 Leu His Phe Pro His Ile Tyr Val Arg Asp Gly Cys Gly Asp Arg Val
295 1 5 10 15
298 Tyr Ile His Pro Phe His Leu
299 20
302 <210> SEQ ID NO: 16
303 <211> LENGTH: 21
304 <212> TYPE: PRT
305 <213> ORGANISM: Unknown
307 <220> FEATURE:
308 <223> OTHER INFORMATION: Angiotensin derivative
311 <220> FEATURE:
312 <221> NAME/KEY: MISC_FEATURE
313 <222> LOCATION: (11)..(11)
314 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
316 <220> FEATURE:
317 <221> NAME/KEY: MISC_FEATURE
318 <222> LOCATION: (13)..(13)
319 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
321 <400> SEQUENCE: 16
323 Leu His Phe Pro His Ile Tyr Val Arg Asp Gly Cys Gly Asp Arg Val
324 1 5 10 15
327 Tyr Ile His Pro Phe
328 20
331 <210> SEQ ID NO: 17
332 <211> LENGTH: 21
333 <212> TYPE: PRT
334 <213> ORGANISM: Unknown
336 <220> FEATURE:
337 <223> OTHER INFORMATION: Angiotensin derivative
340 <220> FEATURE:
341 <221> NAME/KEY: MISC_FEATURE
342 <222> LOCATION: (9)..(9)
343 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
345 <220> FEATURE:
346 <221> NAME/KEY: MISC_FEATURE
347 <222> LOCATION: (11)..(11)
348 <223> OTHER INFORMATION: 1-5 additional Gly can also be present
350 <400> SEQUENCE: 17
352 Asp Arg Val Tyr Ile His Pro Phe Gly Cys Gly Asp Arg Val Tyr Ile
353 1 5 10 15
356 His Pro Phe His Leu
357 20
360 <210> SEQ ID NO: 18
361 <211> LENGTH: 19
362 <212> TYPE: PRT
363 <213> ORGANISM: Unknown
365 <220> FEATURE:
366 <223> OTHER INFORMATION: Angiotensin derivative
369 <220> FEATURE:

Please correct this error in subsequent sequences

VERIFICATION SUMMARY DATE: 04/26/2006
PATENT APPLICATION: US/09/470,997B TIME: 12:25:53

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt
Output Set: N:\CRF4\04262006\I470997B.raw